



Induction Motors



DAYLIFF TEFC squirrel cage induction motors are high specification continuous duty rated machines suitable for a wide variety of industrial, commercial and agricultural applications. A particular feature is high operating efficiency with the specification meeting the demanding IE3 standards, other features including Class F insulation, low noise, high starting torque and all dimensions are fully compliant to IEC standards. DAYLIFF motors are also of extremely robust design providing high levels of serviceability and reliability.

SPECIFICATIONS

Voltage: - 1x240V,1 phase,3x415V, 3 phase, 50Hz Insulation

Class: F

Enclosure Class:- IP45 motor body, IP55 terminal box **Maximum Ambient Temperature:**- 40°C **Connection:**- Y Starfor 3kW and below

 Δ for 4kW and above

PUMP DATA

| Pov | Power | | Max | Speed | Max Eff | Power | stat | Torque _{stat} | Torque _{max} | |
|------|-------|----------------|-------------|-------|---------|--------|------|-------------------------|-------------------------|--|
| kW | HP | Voltage (V) | Current (A) | (rpm) | (%) | Factor | | Torque _{rated} | Torque _{rated} | |
| 4 | 5.5 | | 7.85 | 1440 | 88.6 | 0.8 | 7.5 | | | |
| 5.5 | 7.5 | | 10.4 | 1450 | 89.6 | 0.82 | 7.8 | 2.3 | | |
| 7.5 | 10 | | 13.9 | 1430 | 90.4 | 0.83 | 7.4 |] | | |
| 11 | 15 | | 20 | 1465 | 91.4 | 0.84 | 7 | | | |
| 2.2 | 3 | | 4.2 | 2840 | 85.9 | 0.85 | | | | |
| 4 | 5.5 | | 7.2 | 2880 | 88.1 | | | | | |
| 5.5 | 7.5 | | 9.7 | 2915 | 89.2 | 0.88 | | 2.2 | | |
| 7.5 | 10 | 3x415 | 13.2 | 2713 | 90.1 | | | 2.2 | 0.0 | |
| 11 | 15 | 38413 | 18.9 | | 91.2 | | 1 | | 2.3 | |
| 15 | 20 | | 25.5 | 2935 | 91.9 | | 7.5 | | | |
| 18.5 | 25 | | 31.3 | | 92.4 | | 7.5 | | | |
| 22 | 30 | | 37.1 | | 92.7 | 0.00 | | | | |
| 30 | 40 | | 50.3 | | 93.3 | 0.89 | | | | |
| 37 | 50 | | 61.7 | 2950 | 93.7 | | | 2 | | |
| 45 | 60 | | 74.8 | | 94.0 | | | | | |
| 55 | 75 | | 91.2 | | 94.3 | | | | | |

MOTOR DIMENSION & WEIGHTS

| Power Dimensions | | | | | | | | | | | | Weight | | | | |
|------------------|-----|------------|-------|-------|-------------------|-----|----|-------|--------|-----|-----|--------|-------|-------|------|----|
| | | | | | | | | | | | | | | | | |
| kW | HP | Α | В | С | D | E | F | G | Н | K | AB | AC | HD | | (kg) | |
| 0.75 | 1 | 125 | 100 | 50 | 19 | 40 | 6 | 15.5 | 80 | | 160 | 155 | 235 | 310 | 13 | |
| 1.1 | 1.5 | | 100 | | | | | | | 10 | | | | 321 | 17 | |
| 1.5 | 2 | 140 | 125 | 56 | 24 | 50 | 8 | 20 | 90 | '0 | 180 | 175 | 240 | 346 | 22 | |
| 2.2 | 3 | | 123 | | | | | | | | | | | 0-10 | 23 | |
| 4 | 5.5 | 190 | 140 | 70 | 28 | 60 | | 24 | 112 | | 236 | 221 | 300 | 400 | 57 | |
| 5.5 | 7.5 | 216 | 216 | 140 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | 267 | 255 | 339.5 | 465 | 62 |
| 7.5 | 10 | 210 | 178 | 07 | 30 | 00 | 10 | 33 | 102 | | 207 | 233 | 337.3 | 503 | 02 | |
| 11 | 15 | 254 | 210 | 108 | 42 | 110 | 12 | 37 | 60 | 15 | 314 | 313 | 407 | 617 | 110 | |
| 2.2 | 3 | 160 190 | 160 | | 63 | 28 | 60 | 8 | 24 | 100 | | 200 | 195 | 260 | 378 | 29 |
| 4 | 5.5 | | 140 | 40 70 |] 20 | 00 | ° | 24 | 112 | 12 | 236 | 221 | 300 | 400 | 40 | |
| 5.5 | 7.5 | 216 | 178 | 89 | 38 | 80 | 10 | 33 | 132 | 12 | 267 | 7 255 | 339.5 | 465 | 58 | |
| 7.5 | 10 | | | 07 | 30 | 00 | 10 | 33 | 102 | | 207 | | | 503 | 62 | |
| 11 | 15 | 254 | 210 | | 42 | | 12 | 37 | 160 | | 314 | 313 | 407 | 617 | 106 | |
| 15 | 20 | | 210 | 108 | | | | | | 15 | | | | 017 | 117 | |
| 18.5 | 25 | | 254 | 1 | | | | | | 15 | | | | 670 | 134 | |
| 22 | 30 | 279 | 241 | 121 | 48 | 110 | 14 | 42.5 | 180 | | 355 | 356 | 455 | 700 | 160 | |
| 30 | 40 | 318 | 0 205 | 100 | 133 ₅₅ |] | 16 | 49 | 200 | | 395 | 395 | 485 | 77/ | 223 | |
| 37 | 50 | | 305 | 133 | | | | | 200 19 | 19 | | | | 776 | 238 | |
| 45 | 60 | 356 | 311 | 149 | | | | 225-2 | | 435 | 444 | 550 | 820 | 294 | | |
| 55 | 75 | 406 | 349 | 168 | 60 | 140 | 18 | 53 | 250-2 | 24 | 490 | 485 | 615 | 910 | 310 | |